CLAIMS

1. A method, comprising:

providing an InfiniBand architecture subnet;

5   a master subnet manager function managing the InfiniBand architecture subnet, wherein the master subnet manager function is located at a first node of the InfiniBand architecture subnet;

an active general service manager function managing a service within the InfiniBand architecture subnet, wherein the active general service manager function is

10   located at the first node;

the master subnet manager function migrating to a second node; and

the active general service manager function migrating to the second node to co-locate with the master subnet manager function.

15   2. The method of claim 1, wherein the master subnet manager function migrating comprises a standby subnet manager at the second node assuming the master subnet manager function.

3. The method of claim 1, wherein the active general service manager function

20   migrating comprises a general service manager at the second node assuming the active general service manager function.

4. The method of claim 1, wherein the master subnet manager function managing comprises the master subnet manager function discovering a topology of the InfiniBand

25   architecture subnet.

5. The method of claim 1, wherein the master subnet manager function managing comprises the master subnet manager function assigning a local identifier.

30   6. The method of claim 1, wherein the master subnet manager function managing comprises the master subnet manager function managing changes in a topology of the InfiniBand architecture subnet.

7. A method, comprising:

providing an InfiniBand architecture subnet;

a master subnet manager function managing the InfiniBand architecture subnet,
wherein the master subnet manager function is located at a first node of the InfiniBand
architecture subnet;

co-locating an active general service manager function at the first node with the
master subnet manager function;

the master subnet manager function migrating to a second node; and

the active general service manager function migrating to the second node to co-
locate with the master subnet manager function.

8. The method of claim 7, wherein the master subnet manager function migrating
comprises a standby subnet manager at the second node assuming the master subnet
manager function.

9. The method of claim 7, wherein the active general service manager function
migrating comprises a general service manager at the second node assuming the active
general service manager function.

10. The method of claim 7, wherein the master subnet manager function managing
comprises the master subnet manager function discovering a topology of the InfiniBand
architecture subnet.

11. The method of claim 7, wherein the master subnet manager function managing
comprises the master subnet manager function assigning a local identifier.

12. The method of claim 7, wherein the master subnet manager function managing
comprises the master subnet manager function managing changes in a topology of the
InfiniBand architecture subnet.

13. An InfiniBand architecture subnet, comprising:

a first node;

a second node coupled to the first node;

a master subnet manager function located at the first node; and

an active general service manager function located at the first node, wherein when

5   the master subnet manager function migrates to the second node, the active general service

manager function migrates to the second node to co-locate with the master subnet manager

function.

14. The InfiniBand architecture subnet of claim 13, wherein when the master

10   subnet manager function migrates to the second node, a standby subnet manager at the

second node assumes the master subnet manager function.

15. The InfiniBand architecture subnet of claim 13, wherein when the active

general service manager function migrates to the second node, a general service manager

15   at the second node assumes the active general service manager function.

16. An InfiniBand architecture node, comprising: .

a general service manager residing at the InfiniBand architecture node; and

a master subnet manager function, wherein when the master subnet manager

20   function migrates to the InfiniBand architecture node, the general service manager

assumes an active general service manager function.

17. The InfiniBand architecture node of claim 16, wherein when the master subnet

manager function migrates to the InfiniBand architecture node, a standby subnet manager

25   at the InfiniBand architecture node assumes the master subnet manager function.

18. A method, comprising:

a master subnet manager function managing an InfiniBand architecture subnet

from a first node;

30   an active general service manager function managing a service within the

InfiniBand architecture subnet from the first node; and

the active general service manager function following migration of the master subnet manager function from the first node to a second node.

19. The method of claim 18, wherein the migration of the master subnet manager function comprises a standby subnet manager at the second node assuming the master subnet manager function.

20. The method of claim 18, wherein the active general service manager function following comprises a general service manager at the second node assuming the active general service manager function.

21. A method, comprising:

a master subnet manager function managing an InfiniBand architecture subnet from a first node;

a general service manager residing at a second node in the InfiniBand architecture subnet;

the master subnet manager function moving to the second node; and

the general service manager assuming an active general service manager function.

22. The method of claim 21, wherein the master subnet manager function moving comprises a standby subnet manager at the second node assuming the master subnet manager function.

23. A method, comprising:

a master subnet manager function managing an InfiniBand architecture subnet, wherein the master subnet manager function is distributed among a plurality of nodes;

an active general service manager function managing a service within the InfiniBand architecture subnet from one of the plurality of nodes; and

the active general service manager function following migration of the master subnet manager function to a node, wherein the node is separate from the plurality of nodes.

24. A computer-readable medium containing computer instructions for instructing a processor to perform a method of migrating an active general service manager function, the instructions comprising:

a master subnet manager function managing an InfiniBand architecture subnet, wherein the master subnet manager function is located at a first node of the InfiniBand architecture subnet;

the active general service manager function managing a service within the InfiniBand architecture subnet, wherein the active general service manager function is located at the first node;

the master subnet manager function migrating to a second node; and

the active general service manager function migrating to the second node to co-locate with the master subnet manager function.

25. The computer-readable medium of claim 24, wherein the master subnet manager function migrating comprises a standby subnet manager at the second node assuming the master subnet manager function.

26. The computer-readable medium of claim 24, wherein the active general service manager function migrating comprises a general service manager at the second node assuming the active general service manager function.

27. The computer-readable medium of claim 24, wherein the master subnet manager function managing comprises the master subnet manager function discovering a topology of the InfiniBand architecture subnet.

28. The computer-readable medium of claim 24, wherein the master subnet manager function managing comprises the master subnet manager function assigning a local identifier.

29. The computer-readable medium of claim 24, wherein the master subnet manager function managing comprises the master subnet manager function managing changes in a topology of the InfiniBand architecture subnet.